Monday, 11/21/2005 12:36:38 PM Linda Lacelle User1 **Process Sheet** : 02.750 SUPPORT Customer : CU-DAR001 Dart Helicopters Services **Drawing Name** Job Number : 24852 : 10829 **Estimate Number** : NIA : D28931 **Part Number** P.O. Number S.O. No. : NA - D2893 REV A1 : 11/21/2005 **Drawing Number** This Issue : NIA · Prsht Rev. : NC **Project Number** : NIA : MACHINED PARTS : A1 Type First Issue **Drawing Revision** . NIA : NIA **Previous Run** Material : 12/21/2005 **Due Date** Written By : SER COMMENT BELOW : SEE ABOVE USER. Checked & Approved By : Est: C 02.11.26 Reformat; Added P/O KJ Comment **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: **PURCHASING** 1.0 PG Comment: PURCHASING 2008938 BIN 24852 Issue P/O: Description: D6104-005 Material: 17-4 PH SS (AMS 5643 OR AISI 630) as per Dwg D6104 Material release note required. øD28931 Support 1.0000 Each(s)/Unit Total: 10.0000 Each(s) Comment: Qty.: Support PACKAGING RESOURCE #1 PACKAGING 1 3.0 Comment: PACKAGING RESOURCE #1 & Recieive & Inspect for Transit Damage Ensure Material Release Note is attached MORI SEIKI 4.0 79 two only for drag

Comment: MORLSEIKI CNC LATHE-LARGE

Turn blankfor Haas as per Folio FA081

Receive y Inspect

CX06/01/30



QC CO

INSPECT ALL DIM TO DIM SHEET



Comment: INSPECT ALL DIM TO DIM SHEET

Form: rorocess

Dart Aerospace Ltd 👵 ..

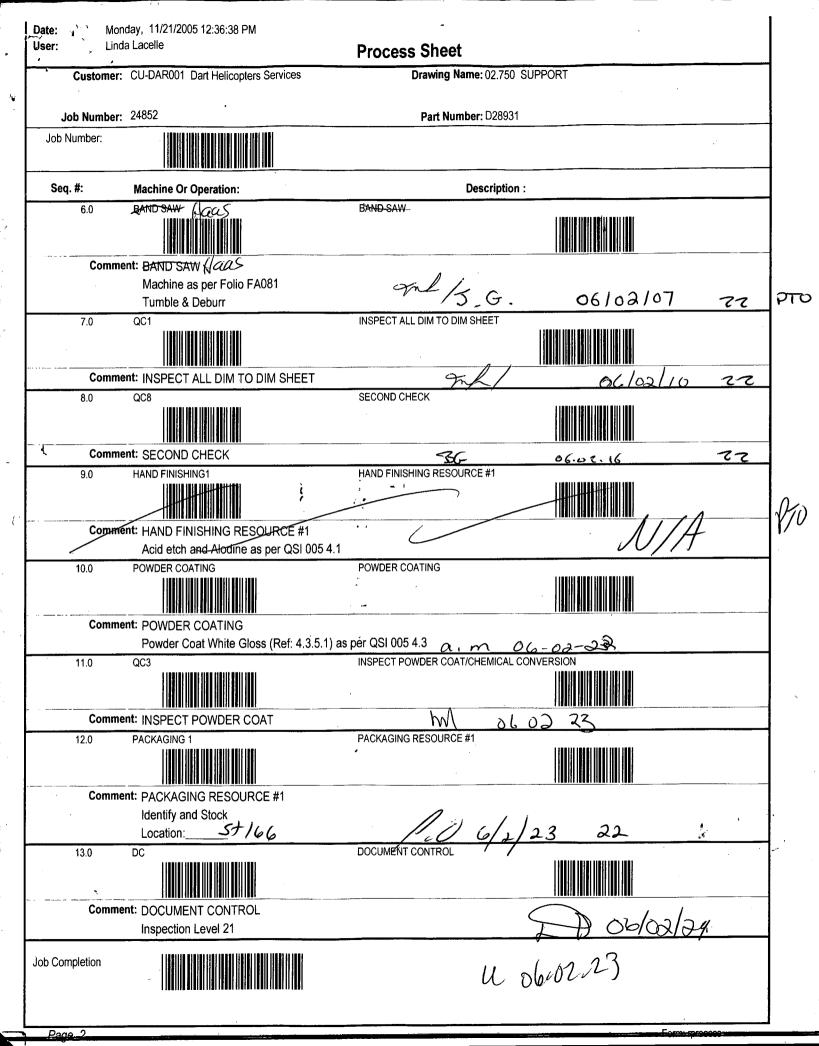
W/O:		WORK ORDER CHAN	WORK ORDER CHANGES								
DATE STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr  Approva QC Inspector					
						-	-				
					-						

Part No: Date: NA Fault Category: Red / Machine Part No. 198 Date: Oblog Date:

QA: N/C Closed: 4 Date: 06-02, 24

NCR:	2485	Q. WO	ORK OR	DER NON-CONFORMANCI	E (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Action Description Chief Eng Chief Eng		Sign & Date	Section C	Chief Eng	QC Inspector
06103108	-6	154 Part Scrap Did Not change Parameters of Machine	octus octus	changed the Parameters/sump And destroy	≾.G. 06103108	660009	Barn	06-02-09
06103)13	4	2 Supports have Dimension 0.065" support tolerance (0.052") they were machined at	Ør 0€) 0.42 06.02.15	PARET IS OK	CL OG BO	06.02.15	P 20081 0472 06.02.15	The S
		Metec.						

NOTE: Date & initial all entries



Dart A	Aeros	pace	Ltd
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
06-01-12	9	Parts don't get Alochined. S.S. supports.	C	02.0b.27	1	06.0222 per QSI 042	John

Part No:	PAR #:	Fault Category:	NCR: Yes	No	DQA:	Date:	_
			QA: N/	C CI	osed:	Date:	_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)											
		Description of NC		Corrective Action Section B		Verification	A	A					
DATE	STEP	Section A	InitialAction DescriptionSign &Chief EngChief EngDate		Section C	Approval Chief Eng	Approval QC Inspector						
						·							
				•									

NOTE: Date & initial all entries

## 

## Job Costing Report

	000 00000000000000000000000000000000000	
Dart Aerospace Ltd.		Nov 17, 2005
Hawkesbury		03:30 pm

Work Order No	: 0024852			
Project Name :	: D2893-1	Department Code	∋:	
Project For :	: WK551	Burden Flags	:	NNNNNN
Work Order Type :	: Main	WO Status	:	Open
Main WO Number :	:	Invoice State	:	Not Invoiced
House Part Number :	: D2893-1	Invoice Date	:	
Description : Sup	pport	Invoice Number	:	
Manufactured : Yes	3	Invoice Amount	:	0.00
Amount Req'd:	10			
Amount Done :	0	Order Entry No	:	
Start Date :	: 11-17-05	OE Value	:	0.00
Est Finish Date :	: 12-21-05	• •		
Act Finish Date :	:	Est Margin	:	0.000%
Drawings Reqd :	: No	Actual Margin	:	0.000%
Ok for Approval :	:			

Approval Rec'd : \$0 Posted to Finished Goods

		Estimated	Actual	Var. %	Posted	To Post
Material Cost	:	0.00	0.00	0.00	0.00	0.00
Engineering Hours	:	0.00	0.00	0.00		
	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
			======================================	======		
Burden	:	0.00	0.00	0.00		
		========	=======================================	=======		
Total Cost	:	0.00	0.00	0.00		
Margin	:	0.000	0.000			
Selling Cost	:	0.00	0.00			

		Estimated	Actual
Labour Hrs/Amount Done	:	0.00	0.00
Profits/(Loss)	:	0.00	0.00



## Certificate of Test



**HEAT 64305** 

ORDER 0470451/001 SON 63205/1 BOL 0134430 TAG 1742289 11/18/05

SHIP TO: COPPER & BRASS SALES 6555 EAST DAVISON

Knowingly & willfully falsifying or concealing a material act on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under federal statutes.

We hereby certify that the test results shown in this report are correct and accurate as contained in the records of the company and are in compliance with the specifications, codes, and standards listed above.

M.F. Marcanio, Quality Manager

**Outokumpu Stainless Bar, Inc.** 3043 Crenshaw Pkwy. Richburg, SC 29729 M.F. Marconio

DART AEROSPACE LTD	Work Order:	<u> २५८५</u>
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2893 Rev A1/DSK078 Rev A and record below:

	<u></u>			Red	corded Actu	ıal Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
	<u> </u>			Lathe	Section				
Α	2.707	2.712							
В	4.946	4.966							
С	3.064	3.084							
D	0.718	0.738							
Ε	0.090	0.110							
F	2.934	2.954							
G	2.166	2.186				7			
Н	3.890	3.910							
1	0.914	0.934			•				
J	0.022	0.042							
K	0.109	0.129							
L									
				HAAS	S Section				
AA	2.985	3.005		2,997	2,998	2,995	2.997		
AB	0.440	0.460		0.440	0.441		0,440		
AC	0.125	0.160		0.140	0.137	0.135	0.135		
AD	0.040	0.060		0.042	0.041	0.041	0.041		
AE	0.188	0.193	DT8706	0.188	0.188	0.188	0.188		
AF	0.125	0.160		0.145	0.145	0.145	0,145		
AG	0.140	0.160		0.151	0.150	0.152	0.150		
AH	1.360	1.400		1.377	1.375	1.375	1.377		
Al	0.040	0.060		0.048		0.053	0.647		
AJ	1.190	1.230		1.219	1.215	1.215	1215		
AK	0.010	0.020	-	0.000	0.010	0.016	0,010		
AL	0.053	0.073		0.053		0.063			
AM	0.240	0.260		0.240	0.240		0,246		
AN	2.518	2.538	·.	2.528		2.528	2.528		
AO	84.39	90.39	DT8699				2		
AP	0.257	0.262	DT8683	0.257	0.257	6.257	0,257		-
AQ	0.053	0.073		0.063	0.063	0.063	0.063		
AR									
AS									
	Acc	ept/Reje	ct						

Measured by:	gal	Audited by	
Date:	06/02/16	Date:	

Rev	Date	Change	Revised by	Approved
Α	02.12.13	New Issue	KJ/RF R	



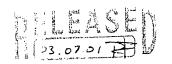
C RT AEF SPACE LTD	Work Orden:	
D cription 02.750 Support	Part Number:	D2893-1
Is pection it /g: D2893 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2893 Rev A1/DSK078 Rev A and record below:

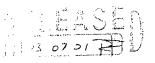
				Re	corded Actu	ual Dimensio	ns		
p .i	Min	Max	Go/No Go Gauge	15	16	3/7	18	Ву	Date
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4.5	3.064	3.084							
1.	0.718	0.738							
<u>.</u>	0.090	0.110							
ī	2.934	2.954							
(:	2.166	2.186							
	3.890	3.910							
1	0.914	0.934							
J	0.022	0.042			v				
r.	0.109	0.129							
i.									
	davenus			HAA	S Section				
AA	2.985	3.005		2.998	2.948	3.999	2.998		
AB	0.440	0.460		0-453	0,450	0.455	0 456		
AC	0.125	0.160		0-131	0-133	0.135	0 - 136		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
AD	0.040	0.060		0 -047	0-049	0.051	0.050		
AF	0.188	0.193	DT8706	0 6 1999	0.189	0-189	0 -189		
AF	0.125	0.160		6 140	0 -141	641.0	0.143		
AG	0.140	0.160		0.159	0.160	0-160	0.160		
Aft	1.360	1.400		1 391	1.378	1.380	1-386		•
A.A	0.040	0.060		0.046	0.045	0.045	0-046		
(A	1.190	1.230		166.1	1 214	1.217	1,217		
AK	0.010	0.020		0.015	0.015	0.015	0.015		
AL	0.053	0.073		0.063	0.063	0.015	0.063		
AM	0.240	0.260		0_250	0.256	0.250	0.350		
AN	2.518	2.538		3.528	0.356	2.528	2.528		
AO	84.39	90.39	DT8699	J		<u> </u>	<b>√</b>		
AP	0.257	0.262	DT8683	1		V.			
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Measured by: 5 G.	Audited by	
Date: 06/03/11	. Date:	

Rin	Date	Change		Approved
,	02.12.13	New Issue	KJ/RF	-#-



*	ill Adir	SPACE	LTD			Vy.C.i	a Orde :	· <del></del>	
	ription.	2.750 Su	pport	, r		F . :	Numb.	D	2893-1
	Fion	g: D2893	Rev. A1					Pag	e 1 of 1
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	Date		inge -				Revised	by A	pploved
	02.12.	13   Nav	v issue				KJ/RI ~	12+-	



## **Chris Provencal**

From:

David Shepherd [davids@dartaero.com]

Sent:

February 15, 2006 3:59 AM

To:

Chris Provencal

Subject:

Re: D2893-1 NCR

This is an acceptable deviation.

David

---- Original Message -----

From: "Chris Provencal" <cprovencal@dartaero.com>

To: <davids@dartaero.com>

Sent: Monday, February 13, 2006 11:19 AM

Subject: D2893-1 NCR

```
> David, for D2893-1 Crosstube Support. The 0.065" dimension in section B-B
> of the dwg, the depth of the cut for the hose clamps, is 0.052" on two
> parts. Is this acceptable?
>
> Sincerely,
> Chris Provencal
> DART Aerospace Ltd.
> Email..cprovencal@dartaero.com
> Phone...613-632-3336
> Fax......613-632-4443
```